

ABSTRACT

A thin film keypad includes a retainer sheet and a plurality of keycaps molded onto keycap attachment regions on the retainer sheet such that the keys are mechanically secured to the retainer sheet. The retainer sheet is made of a thin film material, such as polycarbonate or polyester, and each keycap attachment region includes at least a hole and/or at least one retainer anchor portion. The keycaps are molded from a plastic material, such as polycarbonate or polyester, ABS or a polycarbonate/ABS blend. The thin film material is placed in a molding tool and the plastic material is injected into a keycap mold cavity such that the plastic material flows through the holes and/or around the retainer anchor portions, thereby anchoring the keycaps to the retainer sheet.